

Amendments to the Claims

1. (currently amended) A temperature control subsystem for use with an air conditioning system, said temperature control subsystem comprising:

a plurality of temperature sensors located in proximity to ~~at least one a~~ plurality of heat-generating devices disposed within a housing, said plurality of temperature sensors generating data substantially corresponding to the temperature of said ~~at least one~~ plurality of heat-generating devices;

an air-flow control feature coupled with said housing, said air-flow control feature configured to regulate the delivery of cooling air to said housing, said cooling air provided by an air conditioning system; and

a local control subsystem coupled to said air-flow control feature for controlling said air-flow control feature based upon the data received from said plurality of temperature sensors such that flow of said cooling air to said housing is adjustable to correspond to said data received from said plurality of temperature sensors.

2. (currently amended) The temperature control subsystem of Claim 1, wherein said plurality of temperature sensors ~~is~~ are located within said housing.

3. (currently amended) The temperature control subsystem of Claim 1, wherein ~~one of~~ said plurality of temperature sensors is located within each of said ~~at least one~~ plurality of heat-generating devices.

4. (original) The temperature control subsystem of Claim 1, wherein said data is received by said local control subsystem via a wired link.

5. (original) The temperature control subsystem of Claim 1, wherein said data is received by said local control subsystem via a wireless link.

6. (currently amended) A temperature control system for controlling airflow to a housing containing ~~at least one~~ a plurality of heat-generating devices, said temperature control subsystem comprising:

a temperature sensor thermally coupled with each of said ~~at least one~~ a plurality of heat-generating devices, said temperature sensors generating data corresponding to the temperature of said each of said ~~at least one~~ a plurality of heat-generating devices;

an air-flow control feature configured to regulate flow of cooling air into said housing,

a local control subsystem coupled with said air-flow control feature for controlling said air-flow control feature based upon said data received from said temperature sensors such that said flow of said cooling air to said housing is adjustable to correspond to said data received from said temperature sensors; and

a source of cooling air configured to provide said cooling air to said air-flow control feature.

7. (currently amended) The temperature control system of Claim 6 wherein said temperatures sensors are [is] located in proximity [to] with each of said ~~at least one~~ a plurality of heat-generating devices.

8. (original) The temperature control system of Claim 6 wherein said source of said cooling air comprises a room air conditioning system.

9. (currently amended) The temperature control system of Claim 6 wherein said cooling air is directed via a plenum from said source of cooling air into said housing containing each of said ~~at least one~~ a plurality of heat-generating devices source.

10. (original) The temperature control system of Claim 6 wherein said air-flow control feature comprises a vane controlled by an electromechanical actuator.

11. (original) The temperature control system of Claim 6, wherein said data is received by said local control subsystem via a wired link.

12. (original) The temperature control system of Claim 6, wherein said data is received by said local control subsystem via a wireless link.

13. (currently amended) A method for controlling the temperature of ~~at least one~~ a plurality of heat-generating device located in a housing, said method comprising:

determining a temperature proximity to ~~at least one~~ a plurality of heat-generating devices disposed within a housing with a plurality of temperature sensors;

providing data corresponding to said temperature to control an air-flow control feature coupled with said housing; and

selectively controlling the flow of cooling air to said housing via said air-flow control feature based upon said data.

14. (original) The method as recited in Claim 13 wherein said determining of said temperature comprises determining a temperature within said housing.

15. (currently amended) The method as recited in Claim 13 wherein said determining of said temperature comprises determining a temperature of each of said ~~at least one~~ plurality of heat-generating devices.

16. (original) The method as recited in Claim 13 wherein said providing said data comprises providing said data corresponding to said temperature via a wired link.

17. (original) The method as recited in Claim 13 wherein said providing said data comprises providing said data corresponding to said temperature via a wireless link.

18. (original) The method as recited in Claim 13, wherein said providing data corresponding to said temperature to control an air-flow control feature comprises providing a control subsystem adapted to create a control signal for said air-flow control feature based on the difference between said temperature and a reference temperature.

19. (canceled)

20. (currently amended) The system of Claim [19] 23, wherein said duct is coupled with said housing.

21. (currently amended) The system of Claim [19] 23, wherein said duct conveys the heated air directly to an air conditioning system.

22. (canceled)

23. (currently amended) ~~The system of Claim 22 further comprising:~~ A system for controlling the temperature of an electronic device comprising:

_____ a duct for conveying heated air away from an electrical device disposed within a housing, said duct preventing the heated air from mixing with the ambient air of a room in which said housing is disposed;

_____ a temperature sensor disposed within said duct for generating data substantially corresponding to the temperature of the heated air;

_____ a second temperature sensor disposed in said room for generating data substantially corresponding to the temperature of said room;

_____ an air-flow control feature disposed within said housing for regulating the amount of the heated air being conveyed away from said electrical device; and

_____ a local control subsystem coupled with said air-flow control feature and with said temperature sensor for controlling said air-flow control feature based upon the data received from said temperature sensor, wherein the amount of the

heated air conveyed away from said electrical device is adjusted in response to a control signal generated by said local control subsystem.

24. (currently amended) The system of Claim [22] 23, wherein said local control subsystem determines a value corresponding to the difference between the data generated by said temperature sensor and said second sensor.

25. (original) The system of Claim 24, wherein said control signal is generated in response to said value.

26. (currently amended) The system of Claim [19] 23, wherein said data and said control signal are conveyed to said local control subsystem via a wired link.

27. (currently amended) The system of Claim [19] 23, wherein said data and said control signal are conveyed to said local control subsystem via a wireless link.

28. (canceled)

29. (currently amended) ~~The method as recited in Claim 28 further comprising:~~ A method for controlling the temperature of an electrical device comprising:

_____ coupling a duct for conveying heated air with a housing of an electrical device;

_____ generating data substantially corresponding to the temperature of heated air being conveyed from said housing using a temperature sensor disposed within said duct;

_____ generating data substantially corresponding to the temperature of a room in which said housing is disposed using a second temperature sensor;

_____ generating a control signal to an air-flow control feature disposed within said duct in response to receiving the data; and

regulating the flow of the heated air out of said housing using said air-flow control feature.

30. (original) The method as recited in Claim 29, wherein said generating said control signal comprises comparing the data from said temperature sensor with the data from said second temperature sensor.

31. (original) The method as recited in Claim 29 further comprising:
conveying the heated air out of said room to an air conditioning system.

32. (original) The method as recited in Claim 31, wherein said heated air does not mix with the ambient air of said room.

33. (currently amended) The method as recited in Claim [28] 29 further comprising:
communicatively coupling said temperature sensor and said air-flow control feature with a local control subsystem for generating said control signal.

34. (original) The method as recited in Claim 33, wherein said temperature sensor and said air-flow control feature are communicatively coupled with said local control subsystem using a wired link.

35. (original) The method as recited in Claim 33, wherein said temperature sensor and said air-flow control feature are communicatively coupled with said local control subsystem using a wireless link.